OIPE

RAW SEQUENCE LISTING DATE: 10/18/2001
PATENT APPLICATION: US/09/738,599 TIME: 08:51:16

Input Set : A:\ES.txt
Output Set: N:\CRF3\10182001\I738599.raw

ENTERED

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 3 <110> APPLICANT: Nolan, Lisa
 4       Horne, Shelley
 6 <120> TITLE OF INVENTION: NUCLEIC ACID ENCODING AN AVIAN E. COLI ISS POLYPEPTIDE AND
METHODS OF USE
 8 <130> FILE REFERENCE: 255.0001 0122
10 <140> CURRENT APPLICATION NUMBER: 09/738,599
11 <141> CURRENT FILING DATE: 2000-12-15
13 <150> PRIOR APPLICATION NUMBER: 09/282,352
14 <151> PRIOR FILING DATE: 1999-03-31
16 <150> PRIOR APPLICATION NUMBER: 09/023,221
17 <151> PRIOR FILING DATE: 1998-02-12
19 <160> NUMBER OF SEQ ID NOS: 26
21 <170> SOFTWARE: PatentIn version 3.0
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24 <211> LENGTH: 760
25 <212> TYPE: DNA
26 <213> ORGANISM: Escherichia coli
28 <400> SEQUENCE: 1
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31 cccgtatact cttgcagaag gagttctccg tcgggctact gtcatggtta atgcggggaa    120
33 tatggcgaca atacaacaca cctaaaagag taatggacag atgaagcggt ttattcattt    180
35 cccatgattc tgagtaccta ccaagtctga gtaaccactt ttatactttt aattttcgtt    240
37 catttagcta tcgtttaatt attatcacat aggattctgc cgtttttaac aatgcaggat    300
39 aataagatga aaaaaatgtt attttctgcc gctctggcaa tgcttattac aggatgtgct    360
41 caacaaacgt ttactgttgg aaacaaaccg acagcagtaa caccaaagga aaccatcact    420
43 catcatttct tcgtttcggg aattggacaa gagaaaactg ttgatgcagc caaaatttgt    480
45 ggcggtgcag aaaatgttgt taaaacagaa actcagcaaa cattcgtaaa tggattgctc    540
47 ggttttatca cttttggcat ctatactccg ctggaagccc gggtatattg ctcacaatag    600
49 ttgcccatcg atatggggag ctcatctgca ctgttcatta atatacttct gggctcccta    660
51 cagttgtttt tgcatagtga taagcctctc tctgagggag gaaataatcc tgttcagcga    720
53 tgtctgccag tcgggggggct gcattatcca ccccgaggcg                         760
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 102
58 <212> TYPE: PRT
59 <213> ORGANISM: Escherichia coli
61 <400> SEQUENCE: 2
63 Met Gln Asp Asn Lys Met Lys Lys Met Leu Phe Ser Ala Ala Leu Ala
64 1               5                  10                  15
66 Met Leu Ile Thr Gly Cys Ala Gln Gln Thr Phe Thr Val Gly Asn Lys
67            20                  25                  30
69 Pro Thr Ala Val Thr Pro Lys Glu Thr Ile Thr His His Phe Phe Val
70         35                  40                  45
72 Ser Gly Ile Gly Gln Glu Lys Thr Val Asp Ala Ala Lys Ile Cys Gly
73     50                  55                  60
75 Gly Ala Glu Asn Val Val Lys Thr Glu Thr Gln Gln Thr Phe Val Asn
76 65                  70                  75                  80
78 Gly Leu Leu Gly Phe Ile Thr Phe Gly Ile Tyr Thr Pro Leu Glu Ala
79                 85                  90                  95
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     82             100
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     86 <212> TYPE: DNA
C--> 87 <213> ORGANISM: Artificial
     89 <220> FEATURE:
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     97 <211> LENGTH: 17
     98 <212> TYPE: DNA
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    108 <210> SEQ ID NO: 5
    109 <211> LENGTH: 309
    110 <212> TYPE: DNA
    111 <213> ORGANISM: Escherichia coli
    113 <400> SEQUENCE: 5
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    116 ggatgtgctc aacaaacgtt tactgttgga aacaaaccga cagcagtaac accaaaggaa    120
    118 accatcactc atcatttctt cgtttcccca attggacaga gaaaactgtt gatgcagcca    180
    120 aaatttgttg gcggtgcaga aaatgttgtt aaaacagaaa ctcagcaaac attcgtaaat    240
    122 gcattgcccg gttttatcac ttttggcatc tatactccgc gggaaacccg tgtatattgc    300
    124 tcacaatag                                                          309
    127 <210> SEQ ID NO: 6
    128 <211> LENGTH: 309
    129 <212> TYPE: DNA
    130 <213> ORGANISM: Bacteriophage lambda
    132 <400> SEQUENCE: 6
    133 atcgggaata acaccatgaa aaaaatgcta ctcgctactg cgctggccct gcttattaca     60
    135 ggatgtgctc aacagacgtt tactgttcaa aacaaaccgg cagcagtagc accaaaggaa    120
    137 accatcaccc atcatttctt cgtttctgga attgggcaga agaaaactgt cgatgcagcc    180
    139 aaaatttgtg gcggcgcaga aaatgttgtt aaaacagaaa cccagcaaac attcgtaaat    240
    141 ggattgctcg gttttattac tttaggcatt tatactccgc tggaagcgcg tgtgtattgc    300
    143 tcacaataa                                                          309
    146 <210> SEQ ID NO: 7
    147 <211> LENGTH: 102
    148 <212> TYPE: PRT
    149 <213> ORGANISM: Escherichia coli
    151 <400> SEQUENCE: 7
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    156 Met Leu Ile Thr Gly Cys Ala Gln Gln Thr Phe Thr Val Gly Asn Lys
    157             20                  25                  30
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159 Pro Thr Ala Val Thr Pro Lys Glu Thr Ile Thr His His Phe Phe Val
160         35                  40                  45
162 Ser Pro Ile Gly Gln Arg Lys Leu Leu Met Gln Pro Lys Phe Val Gly
163     50                  55                  60
165 Gly Ala Glu Asn Val Val Lys Thr Glu Thr Gln Gln Thr Phe Val Asn
166 65                  70                  75                  80
168 Ala Leu Pro Gly Phe Ile Thr Phe Gly Ile Tyr Thr Pro Arg Glu Thr
169                 85                  90                  95
171 Arg Val Tyr Cys Ser Gln
172             100
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 97
176 <212> TYPE: PRT
177 <213> ORGANISM: Bacteriophage lambda
179 <400> SEQUENCE: 8
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182 1               5                   10                  15
184 Cys Ala Gln Gln Thr Phe Thr Val Gln Asn Lys Pro Ala Ala Val Ala
185             20                  25                  30
187 Pro Lys Glu Thr Ile Thr His His Phe Phe Val Ser Gly Ile Gly Gln
188         35                  40                  45
190 Lys Lys Thr Val Asp Ala Ala Lys Ile Cys Gly Gly Ala Glu Asn Val
191     50                  55                  60
193 Val Lys Thr Glu Thr Gln Gln Thr Phe Val Asn Gly Leu Leu Gly Phe
194 65                  70                  75                  80
196 Ile Thr Leu Gly Ile Tyr Thr Pro Leu Glu Ala Arg Val Tyr Cys Ser
197                 85                  90                  95
199 Gln
202 <210> SEQ ID NO: 9
203 <211> LENGTH: 20
204 <212> TYPE: DNA
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207 <220> FEATURE:
208 <223> OTHER INFORMATION: Primer
210 <400> SEQUENCE: 9
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215 <211> LENGTH: 20
216 <212> TYPE: DNA
C--> 217 <213> ORGANISM: Artificial
219 <220> FEATURE:
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222 <400> SEQUENCE: 10
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226 <210> SEQ ID NO: 11
227 <211> LENGTH: 34
228 <212> TYPE: DNA
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231 <220> FEATURE:
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Input Set : A:\ES.txt
Output Set: N:\CRF3\10182001\I738599.raw

232 <223> OTHER INFORMATION: Primer
234 <400> SEQUENCE: 11
235 aaaggggatc catgcaggat aataagatga aaaa 34
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239 <211> LENGTH: 34
240 <212> TYPE: DNA
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243 <220> FEATURE:
244 <223> OTHER INFORMATION: Primer
246 <400> SEQUENCE: 12
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251 <211> LENGTH: 31
252 <212> TYPE: DNA
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255 <220> FEATURE:
256 <223> OTHER INFORMATION: Primer
258 <400> SEQUENCE: 13
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263 <211> LENGTH: 23
264 <212> TYPE: DNA
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267 <220> FEATURE:
268 <223> OTHER INFORMATION: Primer
270 <400> SEQUENCE: 14
271 atgcaggata ataagatgaa aaa 23
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275 <211> LENGTH: 23
276 <212> TYPE: DNA
C--> 277 <213> ORGANISM: Artificial
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Primer
282 <400> SEQUENCE: 15
283 atagatgcca aaagtgataa aac 23
286 <210> SEQ ID NO: 16
287 <211> LENGTH: 19
288 <212> TYPE: DNA
C--> 289 <213> ORGANISM: Artificial
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Primer
294 <400> SEQUENCE: 16
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298 <210> SEQ ID NO: 17
299 <211> LENGTH: 20
300 <212> TYPE: DNA
C--> 301 <213> ORGANISM: Artificial
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Primer

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Input Set : A:\ES.txt
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310 <210> SEQ ID NO: 18
311 <211> LENGTH: 23
312 <212> TYPE: DNA
C--> 313 **<213> ORGANISM: Artificial**
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Primer
318 <400> SEQUENCE: 18
319 gggctggcaa gccacgtttg gtg 23
322 <210> SEQ ID NO: 19
323 <211> LENGTH: 23
324 <212> TYPE: DNA
C--> 325 **<213> ORGANISM: Artificial**
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Primer
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334 <210> SEQ ID NO: 20
335 <211> LENGTH: 113
336 <212> TYPE: PRT
337 <213> ORGANISM: Escherichia coli
339 <400> SEQUENCE: 20
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342 1 5 10 15
344 Met Lys Lys Met Leu Phe Ser Ala Ala Leu Ala Met Leu Ile Thr Gly
345 20 25 30
347 Cys Ala Gln Gln Thr Phe Thr Val Gly Asn Lys Pro Thr Ala Val Thr
348 35 40 45
350 Pro Lys Glu Thr Ile Thr His His Phe Phe Val Ser Gly Ile Gly Gln
351 50 55 60
353 Glu Lys Thr Val Asp Ala Ala Lys Ile Cys Gly Gly Ala Glu Asn Val
354 65 70 75 80
356 Val Lys Thr Glu Thr Gln Gln Thr Phe Val Asn Gly Leu Leu Gly Phe
357 85 90 95
359 Ile Thr Phe Gly Ile Tyr Thr Pro Leu Glu Ala Arg Val Tyr Cys Ser
360 100 105 110
362 Gln
365 <210> SEQ ID NO: 21
366 <211> LENGTH: 378
367 <212> TYPE: DNA
368 <213> ORGANISM: Escherichia coli
370 <400> SEQUENCE: 21
371 ctggaagttc tgttccaggg gcccctggga tccatgcagg ataataagat gaaaaaaatg 60
373 ttatttctg ccgctctggc aatgcttatt acaggatgtg ctcaacaaac gtttactgtt 120
375 ggaaacaaac cgacagcagt aacaccaaag gaaaccatca ctcatcattt cttcgtttcg 180
377 ggaattggac aagagaaaac tgttgatgca gccaaaattt gtggcggtgc agaaaatgtt 240
379 gttaaaacag aaactcagca aacattcgta aatggattgc tcggttttat cacttttggc 300
381 atctatactc cgctggaagc ccgggtatat tgctcacaat agttgcccat cgatatgggg 360

VERIFICATION SUMMARY DATE: 10/18/2001
PATENT APPLICATION: **US/09/738,599** TIME: 08:51:17

Input Set : **A:\ES.txt**
Output Set: **N:\CRF3\10182001\I738599.raw**

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L:205 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:217 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:229 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:241 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:253 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:265 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
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